

Pyruvate Carboxylase from *Corynebacterium glutamicum*

ABSTRACT OF THE DISCLOSURE

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The present invention concerns an anaplerotic enzyme from *Corynebacterium glutamicum* which replenishes oxaloacetate consumed during lysine and glutamic acid production in industrial fermentations. In particular, isolated nucleic acid molecules are provided encoding the pyruvate carboxylase protein. Pyruvate carboxylase polypeptides are also provided.

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